

TRANSFER STATION PERMIT
Permit by Rule Application
Part 5 of Chapter 0400-11-.02(2)(a)



Operator:
Selk Sanitation and Waste Disposal
300 Turner Road
Crossville, TN 38555
931-261-4538

Proposed Site:
Avery C. York III, property owner
8438 Highway 127S, Crossville, TN 38572
Cumberland County Map 162 Parcel 034.00
35deg 50' 40.13" -85deg 01' 08.82"
2 March 2015

Environmental & Civil Engineering Services

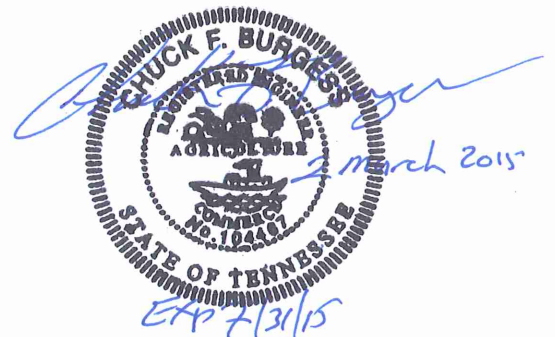


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INTRODUCTION; PURPOSE AND NEED

1.1. Introduction

A permit by rule request is contained herein for a proposed transfer station to be known as **Selk Sanitation Transfer Facility**. Selk Sanitation and Waste Disposal, Inc. of 300 Turner Road, Crossville, Tennessee, 38555 will be the owner, operator and permit holder for the proposed facility.

The facility will be located on a reclaimed area of an active dimensional stone quarry in southern Cumberland County Tennessee. A physical location of the site would be 8438 US 127 South, Crossville, Tennessee, 38572 or latitude 35deg 50' 40.13" by longitude - 85deg 01' 8.82". The property owner and operator of the dimensional stone quarry is Avery C. York, III, Cumberland County Map 162 parcel 034.00 of 233 Lincoln Street, Crossville, Tennessee, 38555. Please see the attached Solid Waste Permit by Rule Notification (CN-1035) in Appendix I and the topographic site plan in Appendix II for additional project information.

1.2. Background Information

Selk Sanitation and Waste Disposal currently operates a fleet of collection vehicles that must either dump residential waste generated within Crossville at the Waste Connections Transfer Station or transport all other waste directly to Rhea County Landfill in Dayton, Tennessee. The proposed transfer station will greatly increase the efficiency of the entire operation by allowing the collection trucks to stay on route and not transporting directly to the landfill.

The existing operation serves Cumberland County, Tennessee but desires to expand to cover the Upper Cumberland Region. A transfer station would allow additional service capacity within the existing operation.

1.3. Purpose and Need

The proposed project will allow Selk Sanitation and Waste Disposal to provide efficient transportation to the current disposal site in Rhea County, Tennessee. As stated previously, it would allow service growth within the existing operation. A direct benefit of the transfer station would be lower operational cost and carbon footprint per ton of waste handled.

1.4. Proposed Action

The proposed transfer station is a multi-level pre-engineered metal building enclosed on three sides. The upper level would consist of a concrete tipping floor designed for unloading of solid waste from the collection vehicles. After unloading, the waste would immediately be placed into a walking floor transfer trailer located on the lower level of the enclosed facility. Currently, the facility would be closed to the public and utilized only by Selk Sanitation and Waste Disposal Personnel. All personnel will receive regulatory, safety, fire, equipment operation, and transfer station operation training prior to any work at the facility. Please see the attached site plan for the transfer facility in Appendix IV for additional information.

SECTION 2. PERMIT BY RULE

2.1. Transfer Station Definition

A transfer station is a facility where municipal solid waste is unloaded from collection trucks and reloaded onto larger long-distance trucks or transfer trailers. The purpose of a transfer station is to reduce waste hauling expense by utilizing trucks of greater capacity for transportation to the disposal site.

A facility meeting the requirements of Part 5 of Chapter 0400-11-01-.02(2)(a) of the Rules of Tennessee Department of Environment and Conservation Solid Waste Management for Solid Waste Processing and Disposal is a transfer station.

2.2. Vectors

Item I of Chapter 0400-11-01-.02(2)(a)1(ii) states "the facility is constructed, operated, maintained, and closed in such a manner as to minimize the propagation, harborage, or attraction of flies, rodents, or other disease vectors".

The facility will be designed and operated to ensure that all waste is transferred directly from the tipping floor to the transfer trailer for disposal. Any fluids on the tipping floor will be placed into the transfer trailer or collected to minimize vector issues. Vector issues will be handled accordingly with approved methods upon occurrence.

2.3. Explosions and Fires

Item II of Chapter 0400-11-01-.02(2)(a)1(ii) states "the facility is constructed, operated, maintained, and closed in such a manner as to minimize the potential for explosions and uncontrolled fires".

The facility will be designed and operated to reduce the risk of explosions and fires. Fire extinguishers will be maintained at the facility and suspect loads will be segregated and monitored for risk. Personnel will receive training on identification, prevention and immediate action for explosions and fires.

2.4. Environmental Releases

Item III of Chapter 0400-11-01-.02(2)(a)1(ii) states "the facility is constructed, operated, maintained, and closed in such a manner as to minimize the potential for releases of solid wastes or solid waste constituents to the environment except in a manner authorized by state and local air pollution control, water pollution control, and/or waste management agencies".

The facility will be designed with a covered tipping floor, temporary storage in a transfer trailer during loading, and collection of all liquid generated within the covered facility. These measures along with periodic residue cleanup around the facility should minimize the potential release to the environment.

2.5. Unauthorized or Uncontrolled Access

Item IV of Chapter 0400-11-01-.02(2)(a)1(ii) states "the facility is constructed, operated, maintained, and closed in such a manner as to minimize the potential for harm to the public through unauthorized or uncontrolled access".

Presently, access to the facility will be limited to the trucks and personnel of Selk Sanitation and Waste Disposal, Inc. The area around the facility is an active dimensional stone quarry which by nature will limit access to proposed facility.

2.6. Site Access

Subpart iii of Chapter 0400-11-01-.02(2)(a)1 states "the facility has an artificial or natural barrier which completely surrounds the facility and a means to control entry, at all times, through the gate or other entrances to the facility.

The entrance to the facility is gated and the remainder of the site is surrounded by a dimensional stone mining operation that impedes access. Operation of the mine will be separate of the transfer stations, however mine employees will not be allowed uncontrolled access to the transfer operation and will assist with preventing uncontrolled access. The entire property is fence on the property line.

2.7. Public Access

Subpart iv of Chapter 0400-11-01-.02(2)(a)1 states "the facility, if open to the public , has clearly visible and legible signs at the points of public access which indicate the hours of operations, the general types of waste materials that either will or will not be accepted, emergency telephone numbers, schedule of changes (if applicable), and other necessary information".

Currently, the facility will be closed to the public and utilized only by Selk Sanitation and Waste Disposal collection vehicles. Proper signage will be installed.

2.8. Trained Personnel

Subpart v of Chapter 0400-11-01-.02(2)(a)1 states "trained personnel are always present during operating hours to operate the facility".

Each employee will be trained in the operation of the transfer station as well as identification of potential hazards in the waste stream, fire and explosions procedures, personal protective equipment use, emergency notification, individual equipment operation, and any other required activity or procedure.

2.9. Personnel Facilities

Subpart vi of Chapter 0400-11-01-.02(2)(a)1 states "the facility has adequate sanitary facilities, emergency communications, and shelter available for personnel".

The facility will only be utilized by the collection vehicles of Selk Sanitation and Waste Disposal and not staffed on a full-time basis. Sanitary facilities, emergency communications and shelter will be shared with the adjacent mining operation on the property.

2.10. Accessibility on Site

Subpart vii of Chapter 0400-11-01-.02(2)(a)1 states "the facility's access road(s) and parking area(s) are constructed so as to be accessible in all weather conditions".

The access roads and parking areas will be constructed of crushed stone aggregate making them accessible in all weather conditions.

2.11. Waste Handling Area

Subpart viii of Chapter 0400-11-01-.02(2)(a)1 states "except for composing facilities utilizing landscaping and land clearing wastes only, all waste handling (including loading and unloading) at the facility is conducted on paved surfaces".

The unloading area will be on a concrete floor within the covered facility. Sawdust will be utilized to contain liquids on the tipping floor and be placed into the transfer trailer for disposal.

2.12. Storage of Waste

Subpart ix of Chapter 0400-11-01-.02(2)(a)1 states "there is no storage of solid waste at the facility except in the containers, bins, lined pits or on paved surfaces, designated for such storage".

Collection vehicles will be unloaded and transferred directly into transfer trailers for disposal.

2.13. Burning of Waste

Subpart x of Chapter 0400-11-01-.02(2)(a)1 states "except for incinerators or energy recovery units, there is no burning of solid waste at the facility".

No burning of solid waste will be conducted at the facility.

2.14. Scavenging

Subpart xi of Chapter 0400-11-01-.02(2)(a)1 states "there is no scavenging of solid waste at the facility and any salvaging is conducted at safe, designated areas and times".

No salvaging will be allowed at the facility.

2.15. Windblown Litter

Subpart xii of Chapter 0400-11-01-.02(2)(a)1 states "wind dispersal of solid wastes at or from the facility is adequately controlled, including the daily collection and proper disposal of windblown litter and other loose, unconfined solid wastes".

The orientation of the building was selected to minimize windblown litter outside the facility. Personnel will be trained and required to perform periodic pick-up of litter around the facility.

2.16. Liquid Containment and Disposal

Subpart xiii of Chapter 0400-11-01-.02(2)(a)1 states "all liquids which either drain from solid wastes or are created by wash-down of equipment at the facility go to either a wastewater treatment facility permitted to receive such wastewaters under TCA 69-3-101 or other methods approved by the commissioner".

All leachate and wash-down water will be collected within the covered facility and directed to a storage tank for disposal at the Crossville Wastewater Treatment Plant. Sawdust will be utilized to contain liquids on the tipping floor and be placed into the transfer trailer for disposal.

2.17. Special Waste

Subpart xiv of Chapter 0400-11-01-.02(2)(a)1 states "the facility receives no special wastes unless such receipt has been specifically approved in writing by the Department and special procedures and/or equipment are utilized to adequately confine and segregate the special wastes".

Special waste will not be accepted without permit.

2.18. Facility Operability

Subpart xv of Chapter 0400-11-01-.02(2)(a)1 states "the operator can demonstrate, at the request of the commissioner, that alternative arrangements (e.g., contracts with

other facilities) for the proper processing or disposal of the solid wastes his facility handles are available in the event his facility cannot operate”.

In the event the facility become inoperable either permanent or temporary, collection vehicles will deliver waste directly to the disposal site as currently being performed.

2.19. Fire Suppression

Subpart xvi of Chapter 0400-11-01-.02(2)(a)1 states “the facility has properly maintained and located fire suppression equipment (e.g., fire extinguishers, water hoses) continuously available in sufficient quantities to control accidental fires that may occur”.

Portable fire extinguishers and wash-down water hoses will be maintained as part of the operation of the facility. Personnel will be trained to on the prevention and control of accidental fires.

2.20. Waste Residues

Subpart xvii of Chapter 0400-11-01-.02(2)(a)1 states “all waste residues resulting from the processing activities at the facility are managed in accordance with this Chapter or Chapter 0400-12-01 (Hazardous Waste Management), whichever is applicable, and/or with any other applicable state or federal regulations governing waste management”.

All waste residues will be managed according to required regulations. Personnel will be trained in proper identification, handling and disposal of the residual waste.

2.21. Closure

Subpart xviii of Chapter 0400-11-01-.02(2)(a)1 states “the facility is finally closed by removal of all solid wastes and solid waste residues for proper disposal. The operator must notify the Division Director in writing of his completion of closure of the facility. Such notification must include a certification by the operator that the facility has been closed by removal of all the solid waste and residues. Within 21 days of the receipt of such notice the Division Director shall inspect the facility to verify that closure has been completed. Within 10 days of such verification, the Commissioner shall approve the closure in writing to the operator. Closure shall not be considered final and complete until such approval has been made”.

In the event of closure, applicable regulations will be followed.

2.22. Wetlands

Subpart xix of Chapter 0400-11-01-.02(2)(a)1 states “new solid waste processing facilities shall not be located in wetlands, unless the owner or operator makes the applicable demonstrations to the Commissioner as referenced at subparagraph (2)(p) of Rule 0400-11-01-.04”.

The facility is not located in a wetland area.

2.23. Floodplain

Subpart xx of Chapter 0400-11-01-.02(2)(a)1 states “the facility must not be located in a 100-year floodplain unless it is demonstrated to the satisfaction of the Commissioner that location in the will not restrict the flow of the 100-year flood nor reduce the temporary water storage capacity of the floodplain and the facility is designed, constructed, operated, and maintained to prevent washout of any solid waste”.

The facility is not located within a 100-year floodplain. The covered facility will prevent stormwater from coming into contact with the waste. Please see the attached FEMA Flood Hazard Boundary Map showing the site location in Appendix III for additional detail.

2.24. Threatened and Endangered Species

Subpart xxi of Chapter 0400-11-01-.02(2)(a)1 states "the facility does not cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife; or result in the destruction or adverse modification of the critical habitat of endangered or threatened species".

The facility is located on a reclaimed area of the adjacent dimensional stone quarry which should not cause or contribute to the taking of any endangered or threatened species. No ecology study of the site is planned or been performed.

2.25. Waste Influenced Bird Hazard to Aircraft

Subpart xxi of Chapter 0400-11-01-.02(2)(a)1 states "the owners or operators proposing a new solid waste processing facility that handles putrescible waste located within 10,000 feet of any airport runway end used by turbojet aircraft or within 5,000 feet of any airport runway end used only by piston-type aircraft must include in the permit-by-rule notification a demonstration that the facility does not pose a bird hazard to aircraft. The owners or operators proposing a new solid waste processing facility that handles putrescible wastes located within a five –mile radius of any airport runway end used by turbojet or piston-type aircraft must notify the affected airport and the appropriate Federal Aviation Administration (FAA) office.

The closest airport is the Crossville Memorial Airport located 8.2 miles northwest from the site.

Appendix I - Solid Waste Permit by Rule Notification (CN-1035)



DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF SOLID WASTE MANAGEMENT
312 Rosa L. Parks Avenue, 14th Floor
Nashville, TN 37243
SOLID WASTE PERMIT BY RULE NOTIFICATION

1. a. Full, Legal Name of Facility Selk Sanitation Transfer Facility		Identification Number (Official Use Only)	
b. Facility Mailing Address 300 Turner Road	City Crossville	State TN	Zip Code 38555
c. Physical Location or Address of Facility 8438 US 127 South, Crossville, TN 38572		County Cumberland	
d. Latitude (degrees, minutes, and seconds) 35deg 50' 40.13"	Longitude (degrees, minutes, and seconds) -85deg 01' 8.82"		
e. Name of Facility Manager or Site Operator Chris Selk		Phone Number With Area Code (931) 261-4538	
f. Affiliation of Site Operator (If different from permittee)			
2. a. Name of Applicant (Corporation, etc.) as Permittee Selk Sanitation and Waste Disposal, Inc.		Phone Number With Area Code (931) 261-4538	
b. Name of Responsible Official Chris Selk		Phone Number With Area Code (931) 261-4538	
c. Responsible Official's Mailing address 300 Turner Road	City Crossville	State TN	Zip Code 38555
3. a. Landowner Name Avery C. York, III		Phone Number With Area Code (931) 248-1991	
b. Landowner Mailing Address 233 Lincoln Street	City Crossville	State TN	Zip Code 38572
c. Signature of Landowner <u><i>Avery C. York</i></u>		Date <u>1/26/14</u>	
4. a. Type of Permit-By-Rule Requested: <input type="checkbox"/> Coal Ash Facility <input type="checkbox"/> Land Application <input type="checkbox"/> Tire Storage Facility <input type="checkbox"/> Convenience Center <input type="checkbox"/> Processing Facility <input checked="" type="checkbox"/> Transfer Station			
b. Description of Activities and Wastes Handled or Processed:			

Transfer Station consisting of unloading collection trucks and loading onto transfer trailer to transport to disposal.

c. Amount of Waste Handled/Processed/Stored: Weight <u>200</u> tons/day Volume _____ cubic yards/day Maximum Storage Capacity <u>216</u> cubic yards

5. I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, and accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Date 1-26-15

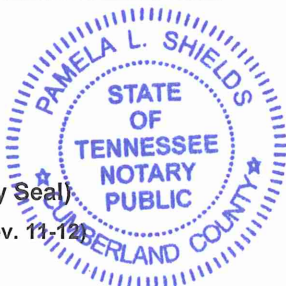
Signature of Responsible Official *Chris Selk*

Typed Name of Responsible Official Chris Selk

Official Title owner

Signature of Notary *Pamela L. Shields*

Date Commission Expires 10-4-2017



(Notary Seal)

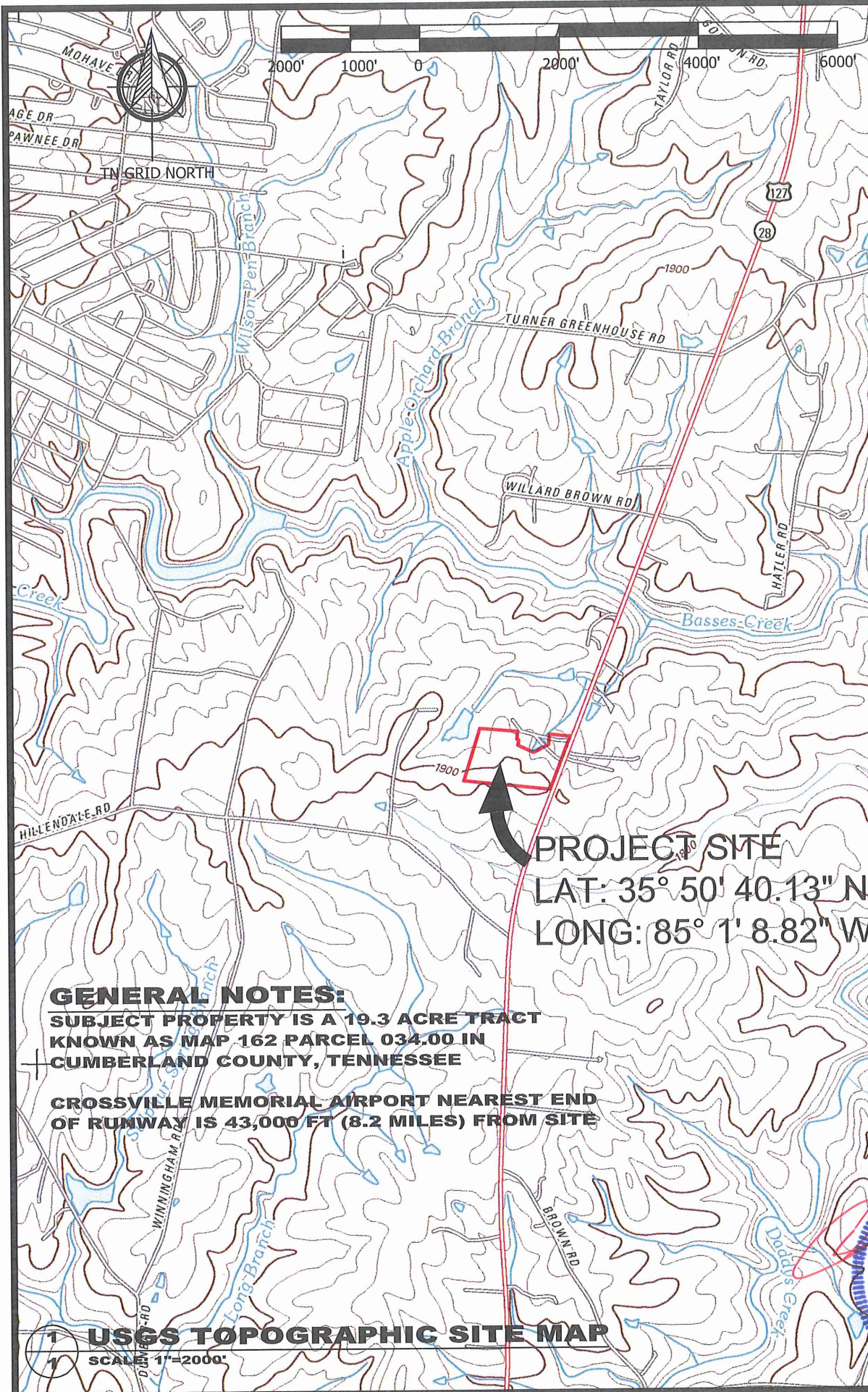
INSTRUCTIONS FOR SOLID WASTE PERMIT BY RULE NOTIFICATION

Complete this form for each facility that is processing and/or disposing of solid waste in Tennessee. If multiple facilities exist or are planned, describe each facility and its wastes on a separate form. **Submit completed documents to the respective field office in your area.**

- Line 1a. **Full, Legal Name of Facility** - The full, legal name for this site to distinguish it from any other site the applicant or organization may own or operate in Tennessee. **Identification Number** - leave blank for Division usage.
- b. **Facility Mailing Address** - Give a complete mailing address for physical facility location.
- c. **Physical Location or Address of Facility** - Information that will aid the Division in going to the site/facility. Do not give a Post Office Box Number.
- d. Supply the **latitude** and **longitude** of the site with the precision of degrees, minutes and seconds. Latitude and longitude may be found by using a U. S. Geological Survey quadrangle map.
- e. **Name of Facility Manager or Site Operator** - The name and phone number of the manager or person who is responsible for the direction of activities at the site/facility.
- f. **Affiliation of Site Operator (If different from permittee)** - If site is operated by person or entity other than permittee, furnish name of person or corporation, etc.
- Line 2a. **Name of Applicant (Corporation, etc) as Permittee** - Name of legal entity making application (individual, corporation, government agency, etc.) This will be the permittee of record.
- b. **Name of Responsible Official** - The name and phone number of the person whom the Division may contact for further information about the contents of this form and who is authorized by the permittee to complete this notification form.
- c. **Responsible Official Mailing address** - Address of Responsible Official representing the permittee having authority to make application.
- Line 3a. **Landowner name** - The person(s) or organization name(s) and phone number(s) of the immediate owner(s) of the property [attached letter from landowner(s)].
- b. **Landowner Mailing address** - A complete mailing address for landowner.
- c. **Signature of Landowner** - The landowner(s) must sign and date the notification form.
- Line 4a. **Type of Permit-By-Rule Requested** - Check the appropriate type(s).
- b. **Description of Activities and Wastes Handled or Processed** - Provide a brief narrative statement that describes the activities and wastes handled or processed at the facility.
- c. **Amount of Waste Handled/Processed/Stored** - Provide an estimate of the daily weight in tons/day and/or volume in cubic yards/day that will be handled at the facility. Indicate the maximum amount of waste that can be stored in cubic yards.
- Line 5 **Certification** - After all documents have been compiled for submission to the Division, the manager or owner responsible for the site must sign, date and give title. This signature must be notarized.



Appendix II – Topographic Site Plan



CHK BY: SJC
DESIGN BY: CFB
DWN BY: MBE
NOVEMBER 6, 2014
PROJECT #14021
DWG #
REVISION #: 0
SCALE: 1 in = 2000 ft
SHEET 1 OF 1

USGS TOPOGRAPHIC SITE MAP

SELK SANITATION
TRANSFER STATION
CUMBERLAND COUNTY, TENNESSEE

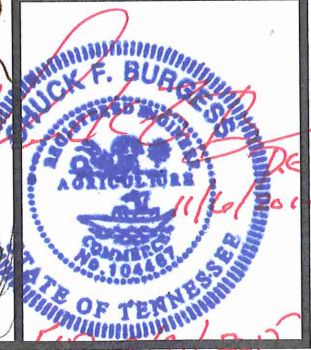
ece SERVICES

ENVIRONMENTAL & CIVIL
ENGINEERING SERVICES

702 Old Jamestown Hwy
Crossville, TN 38555
Telephone: 931.484.9321
Fax: 931.484.9322
www.eceservices.com



* ENGINEERING * GEOTECHNICAL
* QA/QC TESTING



GENERAL NOTES:

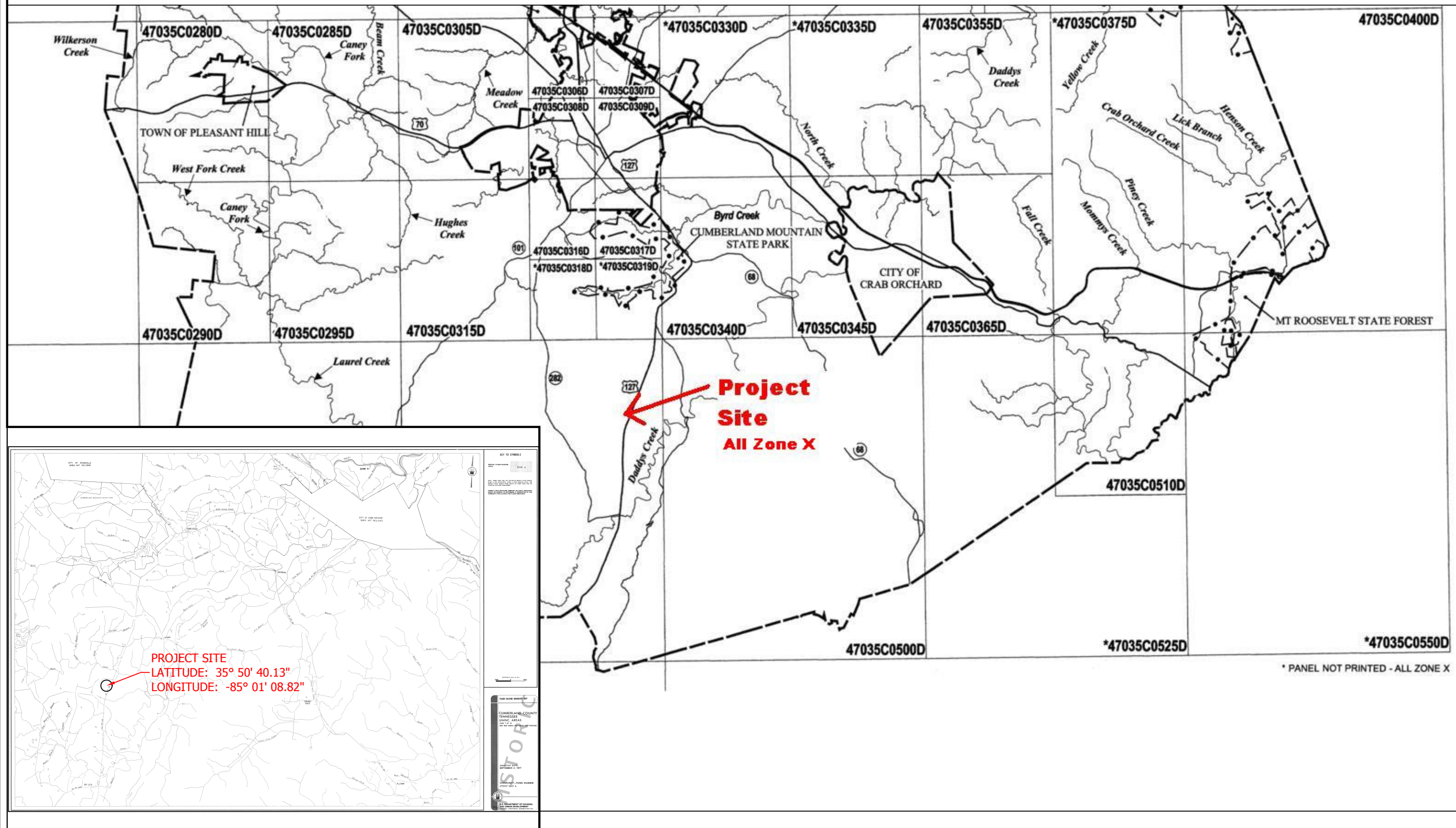
SUBJECT PROPERTY IS A 19.3 ACRE TRACT
KNOWN AS MAP 162 PARCEL 034.00 IN
CUMBERLAND COUNTY, TENNESSEE

CROSSVILLE MEMORIAL AIRPORT NEAREST END
OF RUNWAY IS 43,000 FT (8.2 MILES) FROM SITE

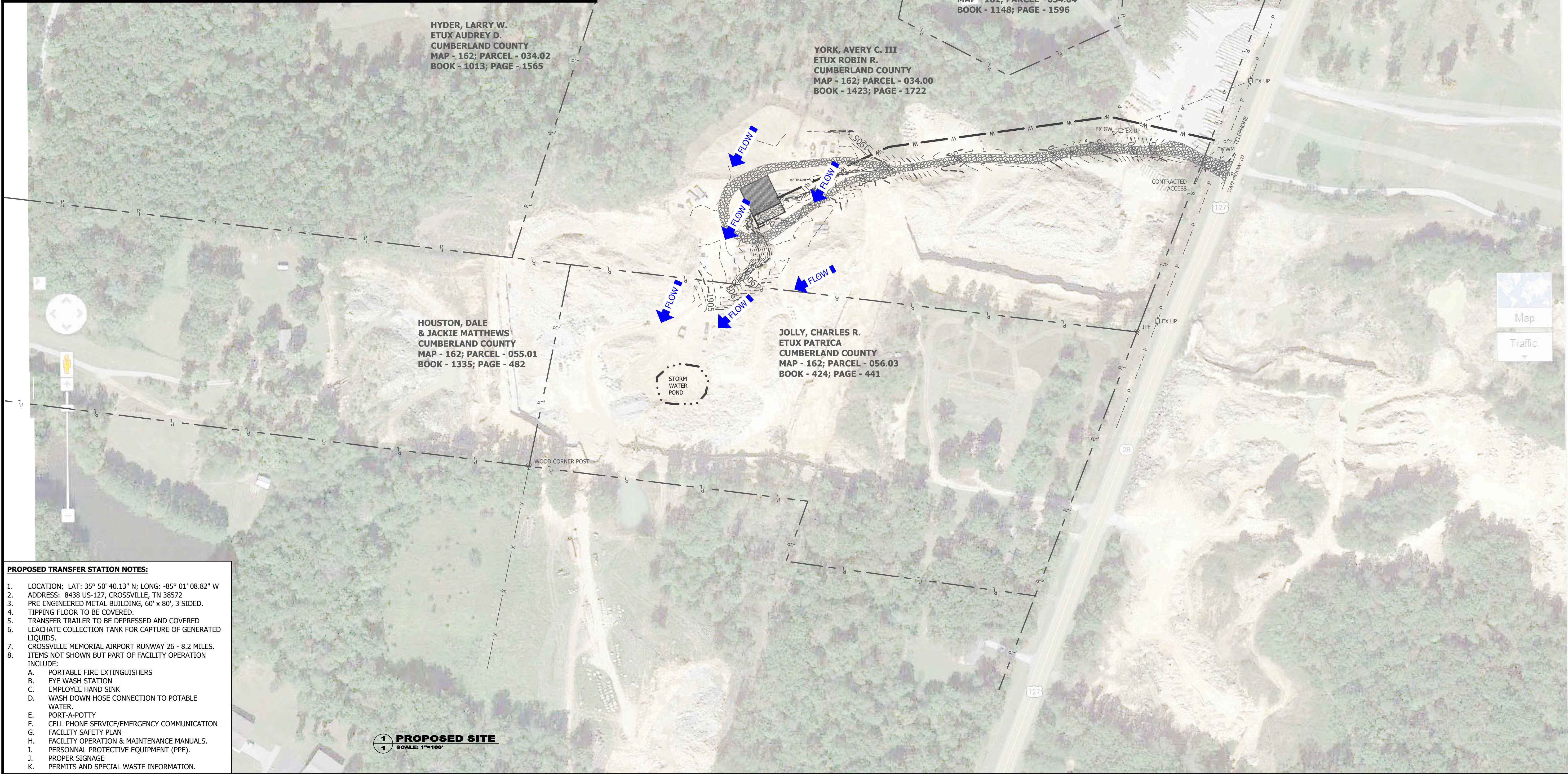
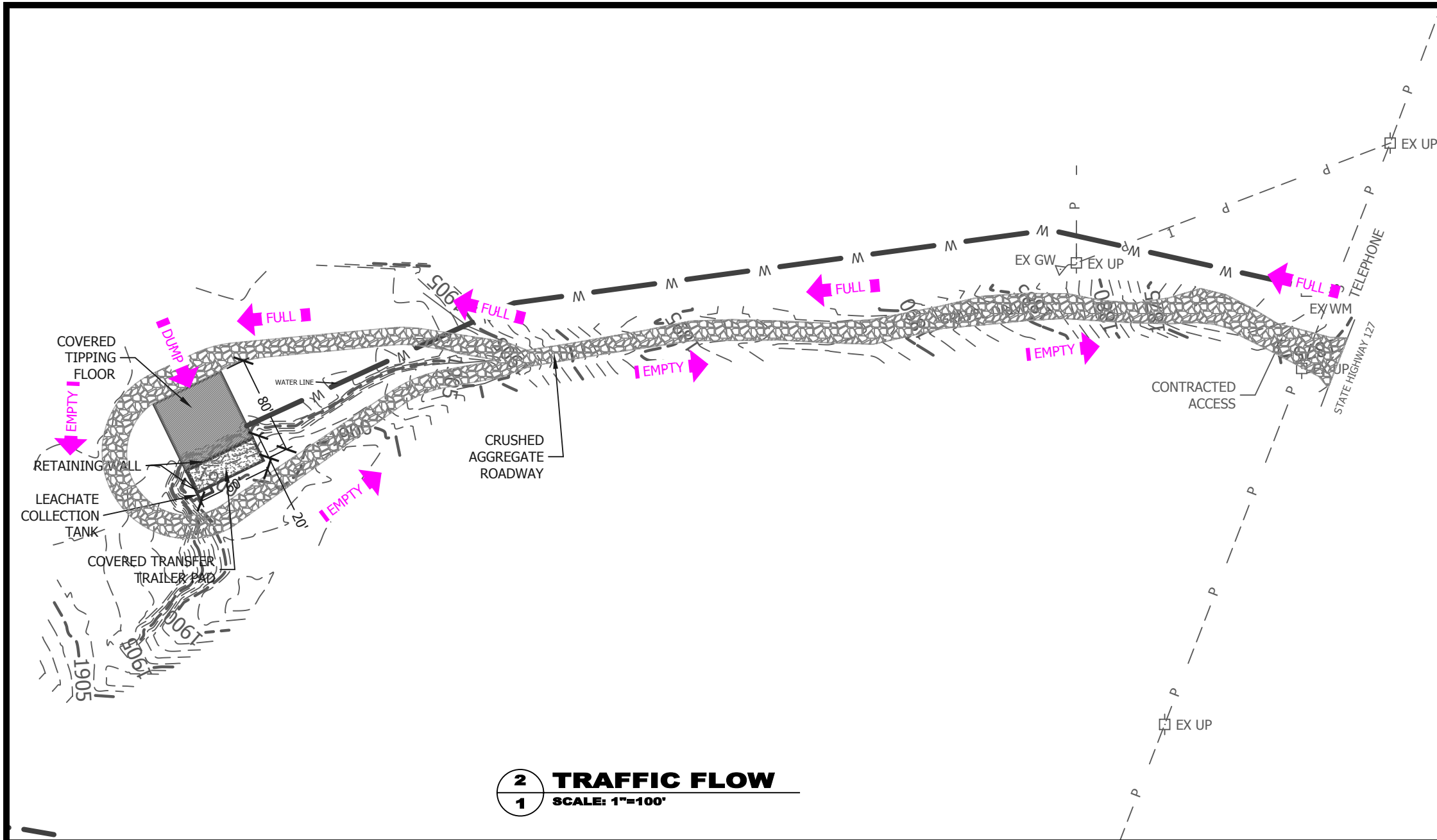
USGS TOPOGRAPHIC SITE MAP

SCALE: 1"=2000'

Appendix III – FEMA Flood Hazard Boundary Map



Appendix IV – Site Plan of the Transfer Facility



- PROPOSED TRANSFER STATION NOTES:**
1. LOCATION; LAT: 35° 50' 40.13" N; LONG: -85° 01' 08.82" W
 2. ADDRESS: 8438 US-127, CROSSVILLE, TN 38572
 3. PRE ENGINEERED METAL BUILDING, 60' x 80', 3 SIDED.
 4. TIPPING FLOOR TO BE COVERED.
 5. TRANSFER TRAILER TO BE DEPRESSED AND COVERED
 6. LEACHATE COLLECTION TANK FOR CAPTURE OF GENERATED LIQUIDS.
 7. CROSSVILLE MEMORIAL AIRPORT RUNWAY 26 - 8.2 MILES.
 8. ITEMS NOT SHOWN BUT PART OF FACILITY OPERATION INCLUDE:
 - A. PORTABLE FIRE EXTINGUISHERS
 - B. EYE WASH STATION
 - C. EMPLOYEE HAND SINK
 - D. WASH DOWN HOSE CONNECTION TO POTABLE WATER.
 - E. PORT-A-POTTY
 - F. CELL PHONE SERVICE/EMERGENCY COMMUNICATION
 - G. FACILITY SAFETY PLAN
 - H. FACILITY OPERATION & MAINTENANCE MANUALS.
 - I. PERSONNAL PROTECTIVE EQUIPMENT (PPE).
 - J. PROPER SIGNAGE
 - K. PERMITS AND SPECIAL WASTE INFORMATION.

PROPOSED SITE
SCALE: 1"=100'

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ENGINEERING SERVICES

702 Old Jamestown Hwy
Crossville, TN 38555
Telephone: 931-484-9321
Fax: 931-484-9322
www.eceservices.com

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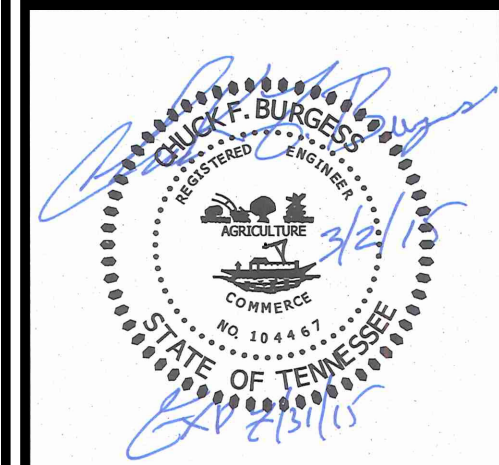
* ENGINEERING * GEOTECHNICAL
* QA/QC TESTING

REVISIONS			CHK
NO.	DATE	DESCRIPTION	

CHECKED BY:		DESIGN BY:		DRAWN BY:		ORIGINAL DATE:		PROJECT NO.:		PLAT NO.:		SCALE:	
SIC	CFB	CFB	LDB	LDB	LDB	NOV. 11, 2014	14021-001	14021-001	14021-001	14021-001	14021-001	1"=100' FT.	1"=100' FT.

SITE PLAN

**SELK'S SANITATION
TRANSFER STATION
CUMBERLAND COUNTY, TENNESSEE**



SHEET
REFERENCE
NUMBER:
C-101
SHEET 1 OF 1